

SUB WO# 022

TEI CONSTRUCTION SERVICES, INC.  
PURCHASE ORDER CHANGE REQUEST

04-45618-007

|  |  |  |                      |                              |                |
|--|--|--|----------------------|------------------------------|----------------|
| T<br>E<br>I<br><br>P<br>O<br>R<br>T<br>I<br>O<br>N                               | PROJECT: MODIFY PACKING GLAND  |  | DATE:                |                              |                |
|  | FCO #: 015   |  | PROJECT #: 80960     |                              |                |
|  | CUSTOMER: IPSC   |  | P.O. #:              |                              |                |
|  | REASON FOR CHANGE:<br>IPSC REQUEST   |  |                      |                              |                |
|  | DESCRIPTION OF CHANGE:<br><br>MODIFY NEW BURNER TO RECEIVE SCANNERS  |  |                      |                              |                |
|  | PEOPLE CONTACTED AND METHODS TAKEN TO RESOLVE PROBLEM:<br>IPSC - HOWARD HAMILTON<br>1 - DRILL HOLES<br>2 - TAP HOLES & INSTALL BOLTS         |  |                      |                              |                |
|  | ("X" APPROPRIATE BOX)  |  |                      |                              |                |
|  | FIRM PRICE:  |  | TIME & MATERIAL:     | X                            | NOT TO EXCEED: |
|  | TEI SIGNATURE:   |  | LABOR: \$ 8,956.96   |                              |                |
|  | DATE:  |  | MATERIALS: \$ 400.00 |                              |                |
| C<br>U<br>S<br>T<br>O<br>M<br>E<br>R<br><br>A<br>P<br>P<br>R<br>O<br>V<br>A<br>L | RECEIVED BY:   |  | OTHER: \$            |                              |                |
|  | DATE:  |  | TOTAL: \$ 9,356.96   |                              |                |
|  | EXISTING APPROVED PURCHASE ORDER:  |  | \$                   |                              |                |
|  | THIS FCO:  |  | \$                   |                              |                |
|  | OTHER APPROVED FCO'S:  |  | \$                   |                              |                |
|  | NEW PURCHASE ORDER:  |  | \$                   |                              |                |
|  | BY SIGNATURE BELOW, TEI IS AUTHORIZED TO PROCEED ON ABOVE REFERENCED CHANGE, TO THE ORIGINAL CONTRACT AT THE SUBMITTED PRICE AND CONDITIONS. |  |                      |                              |                |
|  | CUSTOMER COORDINATOR APPROVAL:   |  |                      | PROJECT MANAGEMENT APPROVAL: |                |
|  | SIGNATURE:   |  |                      | SIGNATURE:                   |                |
|  | DATE:  |  |                      | DATE:                        |                |
| 3/2/04   |  |  | 3-2-04               |                              |                |

IP7\_030615

**TEI Construction Services, Inc.**  
**T&M Billing Cost Summary**

**PROJECT:**

Client: Intermountain Power Plant

Progress Energy PO#:

TEI PROJECT: 80960

TEI FCO#: EWO-015

| <b>LABOR</b> |  |  |
|--------------|--|--|
|--------------|--|--|

| Week Ending | Hours | Amount     |
|-------------|-------|------------|
|             | 99    | \$3,720.65 |

|               |           |                   |
|---------------|-----------|-------------------|
| <b>Totals</b> | <b>99</b> | <b>\$3,720.65</b> |
|---------------|-----------|-------------------|

|                    |                   |
|--------------------|-------------------|
| <b>TOTAL LABOR</b> | <b>\$3,720.65</b> |
|--------------------|-------------------|

| <b>SMALL TOOLS &amp; CONSUMABLES</b> |  |  |
|--------------------------------------|--|--|
|--------------------------------------|--|--|

| Hours | Cost Per Hour | Amount   |
|-------|---------------|----------|
| 99    | \$3.75        | \$371.25 |

|  |                 |
|--|-----------------|
| <b>TOTAL SMALL TOOLS &amp; CONSUMABLES</b> | <b>\$371.25</b> |
|--|-----------------|

| <b>MATERIAL</b> |  |  |  |
|-----------------|--|--|--|
|-----------------|--|--|--|

| Vendor | PO# | Invoice # | Amount |
|--------|-----|-----------|--------|
|--------|-----|-----------|--------|

|           |        |
|-----------|--------|
| Sub Total | \$0.00 |
|-----------|--------|

|             |        |
|-------------|--------|
| 10% Mark-Up | \$0.00 |
|-------------|--------|

|                       |               |
|-----------------------|---------------|
| <b>Total Material</b> | <b>\$0.00</b> |
|-----------------------|---------------|

| <b>SUBCONTRACTORS</b> |  |  |  |
|-----------------------|--|--|--|
|-----------------------|--|--|--|

| Vendor | PO# | Invoice # | Amount |
|--------|-----|-----------|--------|
|--------|-----|-----------|--------|

|           |        |
|-----------|--------|
| Sub Total | \$0.00 |
|-----------|--------|

|             |        |
|-------------|--------|
| 10% Mark-Up | \$0.00 |
|-------------|--------|

|                             |               |
|-----------------------------|---------------|
| <b>Total Subcontractors</b> | <b>\$0.00</b> |
|-----------------------------|---------------|

| <b>RENTAL EQUIPMENT</b> |  |  |  |
|-------------------------|--|--|--|
|-------------------------|--|--|--|

| Vendor | PO# | Invoice # | Amount |
|--------|-----|-----------|--------|
|--------|-----|-----------|--------|

|           |        |
|-----------|--------|
| Sub Total | \$0.00 |
|-----------|--------|

|             |        |
|-------------|--------|
| 10% Mark-Up | \$0.00 |
|-------------|--------|

|                               |               |
|-------------------------------|---------------|
| <b>Total Rental Equipment</b> | <b>\$0.00</b> |
|-------------------------------|---------------|

|--|--|--|

| Description | Rental Period | Amount |
|-------------|---------------|--------|
|-------------|---------------|--------|

|                                   |               |
|-----------------------------------|---------------|
| <b>Total TEI Rental Equipment</b> | <b>\$0.00</b> |
|-----------------------------------|---------------|

|                      |                          |
|----------------------|--------------------------|
| <b>TOTAL BILLING</b> | <b><u>\$4,091.90</u></b> |
|----------------------|--------------------------|

**IP7\_030616**

**TEI Construction Services, Inc.**  
**T&M Billing Weekly Labor**

PROJECT 80960  
CLIENT INTERMOUNTAIN POWER PLANT  
TEI NO.  
ORDER NO.  
EWO NO. 015

| CRAFT CLASS     | ST HOURS  | @       | TOTALS            | OT HOURS  | @       | TOTALS            |
|-----------------|-----------|---------|-------------------|-----------|---------|-------------------|
| Superintendent  |           | \$66.88 | \$0.00            |           | \$93.67 | \$0.00            |
| General Foreman |           | \$46.65 | \$0.00            |           | \$67.32 | \$0.00            |
| Foreman         |           | \$43.59 | \$0.00            |           | \$62.72 | \$0.00            |
| Cert Welder     | 76        | \$33.67 | \$2,558.92        | 23        | \$50.51 | \$1,161.73        |
| Mechanic        |           | \$33.67 | \$0.00            |           | \$50.51 | \$0.00            |
| Apprentice      |           | \$27.55 | \$0.00            |           | \$41.33 | \$0.00            |
| Helper          |           | \$24.49 | \$0.00            |           | \$36.74 | \$0.00            |
| Laborer         |           | \$18.37 | \$0.00            |           | \$27.55 | \$0.00            |
| Field Clerk     |           | \$42.06 | \$0.00            |           | \$60.43 | \$0.00            |
|                 |           |         |                   |           |         |                   |
|                 |           |         |                   |           |         |                   |
|                 |           |         |                   |           |         |                   |
|                 |           |         |                   |           |         |                   |
|                 |           |         |                   |           |         |                   |
|                 |           |         |                   |           |         |                   |
|                 |           |         |                   |           |         |                   |
|                 |           |         |                   |           |         |                   |
|                 |           |         |                   |           |         |                   |
|                 |           |         |                   |           |         |                   |
|                 |           |         |                   |           |         |                   |
| <b>TOTALS</b>   | <b>76</b> |         | <b>\$2,558.92</b> | <b>23</b> |         | <b>\$1,161.73</b> |

|                      |                          |
|----------------------|--------------------------|
| <b>TOTAL BILLING</b> | <b><u>\$3,720.65</u></b> |
|----------------------|--------------------------|

**IP7\_030617**















INTERMOUNTAIN POWER SERVICE CORP.

Delta, Utah 84624-9546 (435) 864-4414 - Purchasing FAX (435) 864-6678

VENDOR: TEI CONSTRUCTION SERVICES INC.  
7870 SCHILLINGER PARK WEST  
MOBILE, AL 36608

# PURCHASE ORDER

01 MAR 2004

VENDOR MUST SHOW P.O. NUMBER ON ALL INVOICES, BILL OF LADING, CORRESPONDENCE, AND ON PACKING LISTS IN EACH CONTAINER, TO INSURE PROMPT PAYMENT. CHARGES FOR TRANSPORTATION MUST BE SUPPORTED BY COPY OF FREIGHT BILL.

| PURCHASE ORDER NO. | VENDOR CODE | REQUISITION NO. |
|--------------------|-------------|-----------------|
| 04-45618-007       | 8149        | 200606          |

\*\*\* SHIP TO \*\*\*  
INTERMOUNTAIN POWER SERVICE CORPORATION  
850 W. BRUSH WELLMAN RD.  
DELTA, UT 84624-9546

251-633-4181 OR 864-879-6860

|                         |                     |                          |                      |                              |                |     |
|-------------------------|---------------------|--------------------------|----------------------|------------------------------|----------------|-----|
| FIRMING DO<br>DUPLICATE | NON<br>CONFIRMING X | SHIP VIA<br>VENDOR TRUCK | TERMS<br>AS INVOICED | FOB POINT<br>DESTINATION F/A | PAGE<br>OF 1 1 | FAX |
|-------------------------|---------------------|--------------------------|----------------------|------------------------------|----------------|-----|

## INTERMOUNTAIN POWER SERVICE CORPORATION'S STANDARD TERMS AND CONDITIONS ARE INCLUDED AS PART OF THIS AGREEMENT

| QUANTITY<br>ORDERED | U<br>M | IPSC<br>PART NO. | DESCRIPTION   | ACCOUNT NUMBER          | UNIT PRICE | EXTENSION |
|---------------------|--------|------------------|---|-------------------------|------------|-----------|
| 1                   | EA     |                  | LINE 1<br>TEI TO MODIFY PACKING GLAND TO ABB SCANNERS TO<br>MAKE THEM WORK. THIS IS TEI FCO #15<br><br>RELEASE # 7 AGAINST SERVICE CONTRACT # S45618<br>PURCHASE PRIORITY #4 APPRD BY G CROSS<br><br>*** SERVICE CONTRACT DESCRIPTION ***<br>INSTALLATION OF LOW NOX BURNERS, ANCILLARY<br>HARDWARE, & ASSOCIATED FLAME DETECTION SYSTEMS<br>IN UNIT 2<br><br>*****ATTENTION IPSC WAREHOUSE*****<br>PLEASE RECEIVE. PO IS FOR SERVICES, FEES,<br>DUES, PREMIUMS, TUITION, AND MISCELLANEOUS<br>CHARGES. NO MATERIAL WILL BE RECEIVED.<br><br>DATE REQUIRED 02/27/04 | 2SGX-402<br>03-96033-22 | 9,356.00   | 9,356.00  |
|                     |        |                  |   |                         | TOTAL COST | 9,356.00  |

voices and correspondence may be mailed to Intermountain Power Service Corporation, 850 West Brush Wellman Rd., Delta, Utah, 84624-9546.

knowledge is required if shipment will not be made within FIVE days.

ark packages or items with IPSC part number and/or P.O. Line number.  
how number on invoice and packing slip.

endor must furnish applicable material safety data sheets.

ld to invoice all, applic federal taxes.

UTAH VENDORS ARE TO ADD TO THE INVOICE  
ALL APPLICABLE STATE, AND COUNTY TAXES.

OUT OF STATE VENDORS, LICENSED TO  
COLLECT UTAH TAXES, ARE TO ADD TAX OF 6%

UTAH TAXES WILL BE ACCRUED BY IPSC FOR  
OUT OF STATE VENDORS NOT LICENSED TO  
COLLECT UTAH TAXES

NANCY BENNETT 435-864-4414

REVIEWED BY NANCY BENNETT

IP7\_030623



# TEI CONSTRUCTION SERVICES, INC.

550-B Brookshire Rd  
Greer, SC 29651  
Phone: 864-879-4800  
Fax: 864-879-3530

PAGE 1 OF 1  
DATE 03/18/04  
BUYER ShannonE

SHIP VIA COMPANY TRUCK  
F.O.B. DESTINATION  
TERMS NET 30

**V  
E  
N  
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107823  
INDUSTRIAL SUPPLY  
1635 SOUTH 300 WEST  
SALT LAKE CITY UT 84115  
USA

**S  
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103  
TEI CONSTRUCTION SERVICES  
C/O INTERMOUNTAIN POWER  
850 WEST BRUSH WELLMAN ROAD  
DELTA UT 84624-9546  
USA  
TINKER STEEDE  
251-633-4181

FAX: 801-487-0469

PLEASE ACCEPT OUR ORDER AND FURNISH THE FOLLOWING, SUBJECT TO CONDITIONS BELOW,  
ON THE REVERSE SIDE OF THIS P/O.

REMIT TO:

INDUSTRIAL SUPPLY  
P.O. BOX 30600  
SALT LAKE CITY UT 84130  
USA

OUR ORDER NUMBER MUST APPEAR  
ON INVOICE, B/L BUNDLES, CASES,  
PACKING LIST AND CORRESPONDENCE

PURCHASE ORDER EWO-015

PROJECT NO. 80960

ACCOUNT NO. \_\_\_\_\_

☐ FAX SENT PRIOR  
DO NOT DUPLICATE

☐ VERBAL PLACED PRIOR  
DO NOT DUPLICATE

| NE/REL | QTY. ORDERED | QTY. DUE | ITEM DESCRIPTION | DUE DATE | UNIT PRICE / EXT. PRICE |
|--------|--------------|----------|------------------|----------|-------------------------|
| 1      | 1.000        | 1.000    | MISC SUPPLIES    |          | 280.64000               |
|        |              |          |                  |          | 280.64                  |

LS 03/10/04  
ORDER# 1390026-0001-01

EWO-015

SELLER TO ACKNOWLEDGE THIS ORDER BY SIGNING AND RETURNING  
TO THE ADDRESS ABOVE-ATTEN: A/P DEPT (FAX 864-879-6448)

DATE \_\_\_\_\_

Total:

US DOLLARS

USD280.64

*S. E. Moore 03-18-04*

*W. Tinkler Steede*

IP7\_030624

## Page \_\_\_\_ Of \_\_\_\_

**Authorized Signature**

**IP7 030625**

# INDUSTRIAL SUPPLY

## Packing Slip

INDUSTRIAL SUPPLY  
P.O. Box 30600 (84130) 1635  
South 300 West  
Salt Lake City, Utah 84115  
Phone (801) 484-8644 FAX  
(801) 487-0469

The real difference between companies is the way they treat their customers.

CUSTOMER NUMBER

TEI100

ORDER NUMBER

1390026-0001-01



BILL TO: TEI CONSTRUCTION SERVICES  
550 B BROOKSHIRE RD  
GREER, SC 29651  
864 879-4800

SHIP TO: TEI CONSTRUCTION SERVICES  
850 W. BRUSH WELLMAN RD  
DELTA, UT 84624

| SHIP/TR/INVOICE NO | SLMAN | ORDER DATE | TAKER | CUSTOMER P.O. NUMBER | DATE    |
|--------------------|-------|------------|-------|----------------------|---------|
| 1390026-0001-01    | 113   | 3/10/04    | 161   | 960-262              | 3/10/04 |

INSTRUCTIONS

ROUTE

FRT

PAGE NO

90

B

1

DELIVER TODAY SURE

| ORDERED | QUANTITY<br>BO/RET | SHIPPED | DISP | U/M | ITEM CODE AND DESCRIPTION  | UNIT PRICE | AMOUNT |
|---------|--------------------|---------|------|-----|--|------------|--------|
| 4       | 4                  |         | *    | EA  | CALL FOR MSDS SHEETS<br>CHEM SPILLS CALL 800-424-9300<br>UTD 1500T 3/4-10<br>TAP 4 FLUTE HAND GT/HSS H3<br>UTD 1010139<br>1-990231 | 24.8800    | 99.52  |
| 2       | 2                  |         | *    | EA  | HRD 1/2-13<br>DIE HEX RETHREADING<br>CT/CS ACE 7244 NC<br>1-990226   | 7.2800     | 14.56  |

\*\*SHIP ORDER\*\*\*\*SHIP ORDER\*\*\*\*

\*\*\* ORDER COMPLETED \*\*\*

DISP CODE:

- STATE TAX APPLICABLE B -  
- ALANCE BACK ORDERED  
- CONSIDER COMPLETE  
- DIRECT SHIPMENT F -  
- FACTORY MINIMUM

| PULLER | PACKER | NO. OF PIECES |
|--------|--------|---------------|
|--------|--------|---------------|

RECEIVED BY

PRINT NAME

SUB TOTAL 114.08  
MISC. CHARGE 0.00  
FREIGHT TOTAL 160.00 ~~160.00~~  
STATE TAX 6.56  
PAYMENT REC'D 0.00

TOTAL

120.64 280.64

TO INSURE PROPER CREDIT PLEASE INCLUDE THIS PACKING SLIP WITH RETURNS.

IP7\_030626



**INTERMOUNTAIN POWER SERVICE CORP.**

Delta, Utah 84624-9546 (435) 864-4414 - Purchasing FAX (435) 864-6678

**VENDOR: TEI CONSTRUCTION SERVICES INC.**  
7870 SCHILLINGER PARK WEST  
MOBILE, AL 36608

# PURCHASE ORDER

01 MAR 2004

VENDOR MUST SHOW P.O. NUMBER ON ALL INVOICES, BILL OF LADING, AND ON PACKING LISTS IN EACH CONTAINER, TO INSURE CHARGES FOR TRANSPORTATION MUST BE SUPPORTED BY PROMPT PAYMENT OF FREIGHT BILL.

| PURCHASE ORDER NO. | VENDOR CODE | REQUISITION NO. |
|--------------------|-------------|-----------------|
| 04-45618-007       | 8149        | 200606          |

\*\*\* SHIP TO \*\*\*  
INTERMOUNTAIN POWER SERVICE CORPORATION  
850 W. BRUSH WELLMAN RD.  
DELTA, UT 84624-9546

251-633-4181 OR 864-879-6860

|                             |                  |                          |                      |                              |                   |     |
|-----------------------------|------------------|--------------------------|----------------------|------------------------------|-------------------|-----|
| CONFIRMING DO NOT DUPLICATE | NON CONFIRMING X | SHIP VIA<br>VENDOR TRUCK | TERMS<br>AS INVOICED | FOB POINT<br>DESTINATION F/A | PAGE<br>OF<br>1 1 | FAX |
|-----------------------------|------------------|--------------------------|----------------------|------------------------------|-------------------|-----|

INTERMOUNTAIN POWER SERVICE CORPORATION'S STANDARD TERMS AND CONDITIONS ARE INCLUDED AS PART OF THIS AGREEMENT

| QUANTITY ORDERED | U<br>M | IPSC<br>PART NO. | DESCRIPTION  | ACCOUNT NUMBER          | UNIT PRICE        | EXTENSION       |
|------------------|--------|------------------|--|-------------------------|-------------------|-----------------|
| 1                | EA     |                  | <p>LINE 1</p> <p>TEI TO MODIFY PACKING GLAND TO ABB SCANNERS TO MAKE THEM WORK. THIS IS TEI FCO #15</p> <p>RELEASE # 7 AGAINST SERVICE CONTRACT # S45618 PURCHASE PRIORITY #4 APPRD BY G CROSS</p> <p>*** SERVICE CONTRACT DESCRIPTION ***</p> <p>INSTALLATION OF LOW NOX BURNERS, ANCILLARY HARDWARE, &amp; ASSOCIATED FLAME DETECTION SYSTEMS IN UNIT 2</p> <p>****ATTENTION IPSC WAREHOUSE****</p> <p>PLEASE RECEIVE. PO IS FOR SERVICES, FEES, DUES, PREMIUMS, TUITION, AND MISCELLANEOUS CHARGES. NO MATERIAL WILL BE RECEIVED.</p> <p>DATE REQUIRED 02/27/04</p> | 2SGX-402<br>03-96033-22 | 9,356.00          | 9,356.00        |
|                  |        |                  |  |                         | <b>TOTAL COST</b> | <b>9,356.00</b> |

- Invoices and correspondence may be mailed to Intermountain Power Service Corporation, 850 West Brush Wellman Rd., Delta, Utah, 84624-9546.
- Acknowledgement is required if shipment will not be made within FIVE days.
- Mark packages or items with IPSC part number and/or P.O. Line number. Show number on invoice and packing slip.
- Vendor must furnish applicable material safety data sheets.
- Add to invoice all applicable federal taxes.

UTAH VENDORS ARE TO ADD TO THE INVOICE ALL APPLICABLE STATE, AND COUNTY TAXES

OUT OF STATE VENDORS, LICENSED TO COLLECT UTAH TAXES, ARE TO ADD TAX OF 6%

UTAH TAXES WILL BE ACCRUED BY IPSC FOR OUT OF STATE VENDORS NOT LICENSED TO COLLECT UTAH STATE TAX

NANCY BENNETT 435-864-4414

REVIEWED BY NANCY BENNETT

IP7\_030627

Jerry,

You received the entire assembly which typically connects to a three inch female coupling. Since you have a threaded pipe already installed there can be only a few options. Your picture Scanner Packing Gland2 is the correct orientation. One option would be to modify the existing pipe and drill holes for the positioning bolts and place the gland cap and packing on the existing pipe. The other option would be to cut the pipe back on the burner and re-thread and provide a female coupling. The bolts in the packing gland are need to keep the pipe centered and lock it down the packing gland cap and packing material is required to seal the assembly.

If you need any additional assistance please contact me at the following:

Regards,

William M. Clark  
ABB Inc.  
2 Waterside Crossing  
Windsor, CT 06095

Phone: (860) 285-9402  
Fax: (860) 285-6999  
Cell: (860) 559-5673  
E-Mail: william.m.clark@us.abb.com

Message from "Jerry Finlinson" <Jerry-F@ipsc.com> received on 02/23/2004 06:37 PM

02/23/2004 06:37 PM

"Jerry Finlinson" <Jerry-F@ipsc.com>

Internal

Sent by "Jerry Finlinson" <Jerry-F@ipsc.com>

To: <sal@advancedburner.com>, Harry Dohalick/USINY/ABB@ABB\_US01, James M. Clark/USIMS/ABB@ABB\_US01, William M. Clark/USPOA/ABB@ABB\_US01

cc: "Howard Hamilton" <howard-h@ipsc.com>, "James Nelson" <JIM-N@ipsc.com>, "Jon Chrstensen" <JON-C@ipsc.com>

Subject: Flame scanner packing gland installation difficulties

FYI,

I found the flame scanner tube packing glands and tried installing one.  
I can't tell which way they are supposed to install. They appear to be missing a connector or something. If there is a coupler in there then the scanner tip will be about 16 inches back from the turning vanes.

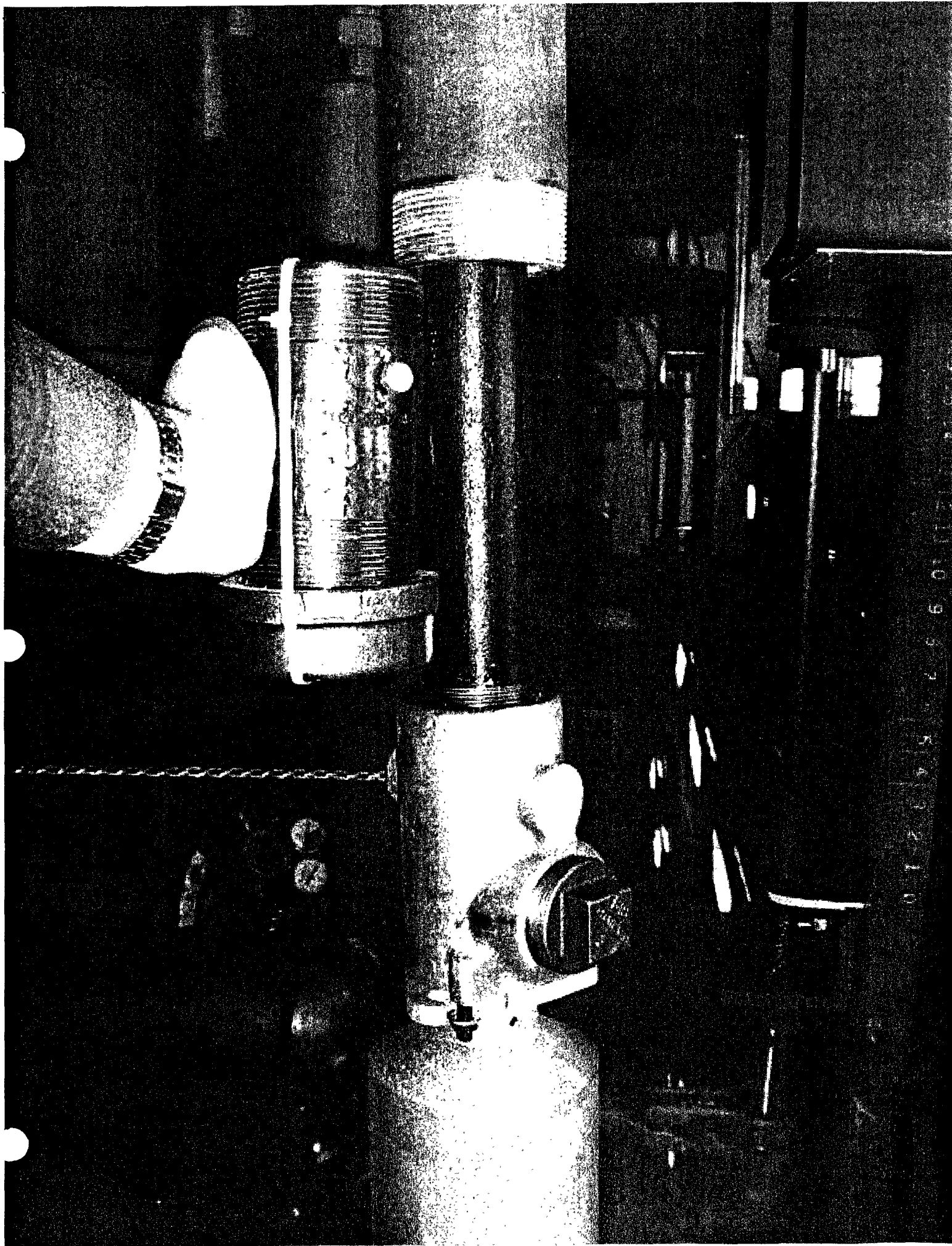
See enclosed photo of the packing gland.  
Please advise.

Thanks, Jerry

Jerry Finlinson, Engineer  
Intermountain Power Service Corp  
850 West Brush Wellman Rd  
Delta, UT 84624

file://C:\MASTER%20FILES\WPFILES\IGS03.PRJ\IGS03-04%20Unit%202%20Burners... 8/23/2004

IP7\_030628



IP7\_030629

**From:** Jerry Finlinson  
**To:** Harry Dohalick; James Clark; [william.m.clark@us.abb.com](mailto:william.m.clark@us.abb.com)  
**Date:** 2/25/2004 4:32:17 PM  
**Subject:** Re: Flame scanner packing gland installation sample

Bill,

We have modified a flame scanner packing gland pipe as shown in the attached photo.  
Please examine and give your approval. We think we'll change it by moving the positioning bolts farther from the burner, closer to the packing gland, so they won't interfere with insulation. There are about 3.5 threads on the bolt. That should be sufficient. TEI estimates that it will take 30 to 60 minutes per burner to make these modifications.

Give your approval to go ahead like this.  
They'd like to start this work Thursday morning.  
Thanks, Jerry

Jerry Finlinson, Engineer  
Intermountain Power Service Corp  
850 West Brush Wellman Rd  
Delta, UT 84624  
435-864-6466 fax 0776/6670  
[jerry-f@ipsc.com](mailto:jerry-f@ipsc.com)

>>> <[william.m.clark@us.abb.com](mailto:william.m.clark@us.abb.com)> 2/23/2004 9:43:52 PM >>>

Jerry,

You received the entire assembly which typically connects to a three inch female coupling. Since you have a threaded pipe already installed there can be only a few options. Your picture Scanner Packing Gland2 is the correct orientation. One option would be to modify the existing pipe and drill holes for the positioning bolts and place the gland cap and packing on the existing pipe. The other option would be to cut the pipe back on the burner and re-thread and provide a female coupling. The bolts in the packing gland are need to keep the pipe centered and lock it down the packing gland cap and packing material is required to seal the assembly.

If you need any additional assistance please contact me at the following:

Regards,

William M. Clark  
ABB Inc.  
2 Waterside Crossing

**IP7\_030630**



Windsor, CT 06095

Phone: (860) 285-9402  
Fax: (860) 285-6999  
Cell: (860) 559-5673  
E-Mail: [william.m.clark@us.abb.com](mailto:william.m.clark@us.abb.com)

Message from "Jerry Finlinson" <[Jerry-F@ipsc.com](mailto:Jerry-F@ipsc.com)> received on 02/23/2004  
06:37 PM

02/23/2004 06:37 PM  
Internal

"Jerry Finlinson" <[Jerry-F@ipsc.com](mailto:Jerry-F@ipsc.com)>

Sent by "Jerry Finlinson" <[Jerry-F@ipsc.com](mailto:Jerry-F@ipsc.com)>

To: <[sal@advancedburner.com](mailto:sal@advancedburner.com)>, Harry  
Dohalick/USINY/ABB@ABB\_US01, James M.  
Clark/USIMS/ABB@ABB\_US01, William M. Clark/USPOA/ABB@ABB\_US01  
cc: "Howard Hamilton" <[howard-h@ipsc.com](mailto:howard-h@ipsc.com)>, "James Nelson"  
<[JIM-N@ipsc.com](mailto:JIM-N@ipsc.com)>,  
"Jon Christensen" <[JON-C@ipsc.com](mailto:JON-C@ipsc.com)>  
Subject: Flame scanner packing gland installation  
difficulties

FYI,  
I found the flame scanner tube packing glands and tried installing  
one.  
I can't tell which way they are supposed to install. They appear to be  
missing  
a connector or something. If there is a coupler in there then the  
scanner tip will be about 16 inches back from the turning vanes.

See enclosed photo of the packing gland.  
Please advise.

Thanks, Jerry

Jerry Finlinson, Engineer  
Intermountain Power Service Corp  
850 West Brush Wellman Rd  
Delta, UT 84624  
435-864-6466 fax 0776/6670  
[jerry-f@ipsc.com](mailto:jerry-f@ipsc.com)

IP7\_030631

**From:** <james.m.niziolek@us.abb.com>  
**To:** "Jerry Finlinson" <Jerry-F@ipsc.com>  
**Date:** 3/5/2004 1:19:43 PM  
**Subject:** Re: ABB flame scanner full coupling arrived

Jerry,

This looks good. The 3-4 inches in back of the register plate sounds about right per the drawings. Based on the earlier pictures the scanner tip should be sighted through the center of the hole in the register plate and the slot in the turning vanes.

It is not a big deal but before final tightening of the packing gland and the locking bolts I'd push the scanner guidepipe all the way forward into the packing gland. In the picture it looks like it's back 1 to 1.5 inches.

Take care

Jim Niziolek

Message from "Jerry Finlinson" <Jerry-F@ipsc.com> received on 03/04/2004 10:33 PM

03/04/2004 "Jerry Finlinson" <Jerry-F@ipsc.com>

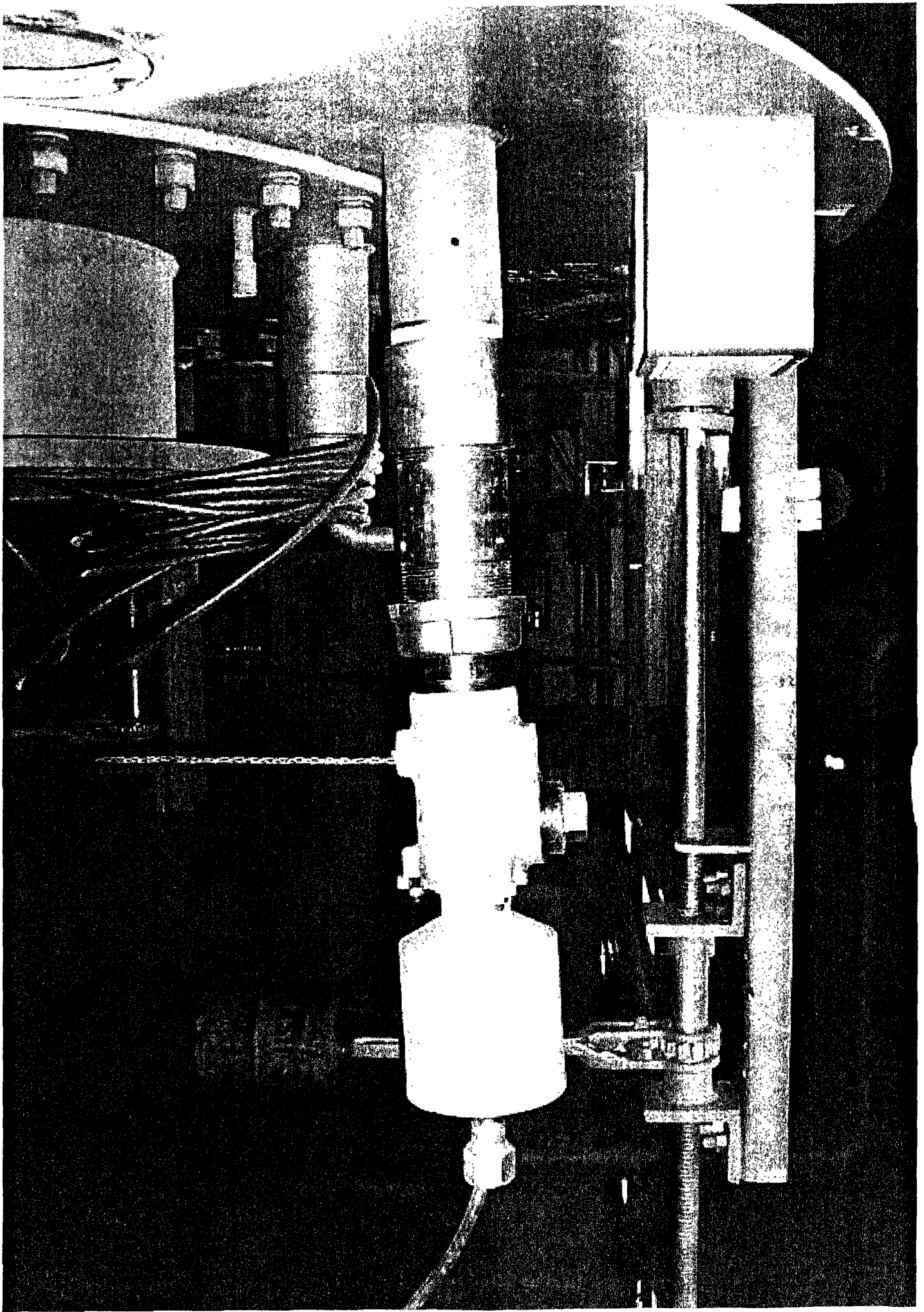
10:33 PM

Sent by "Jerry Finlinson" <Jerry-F@ipsc.com>

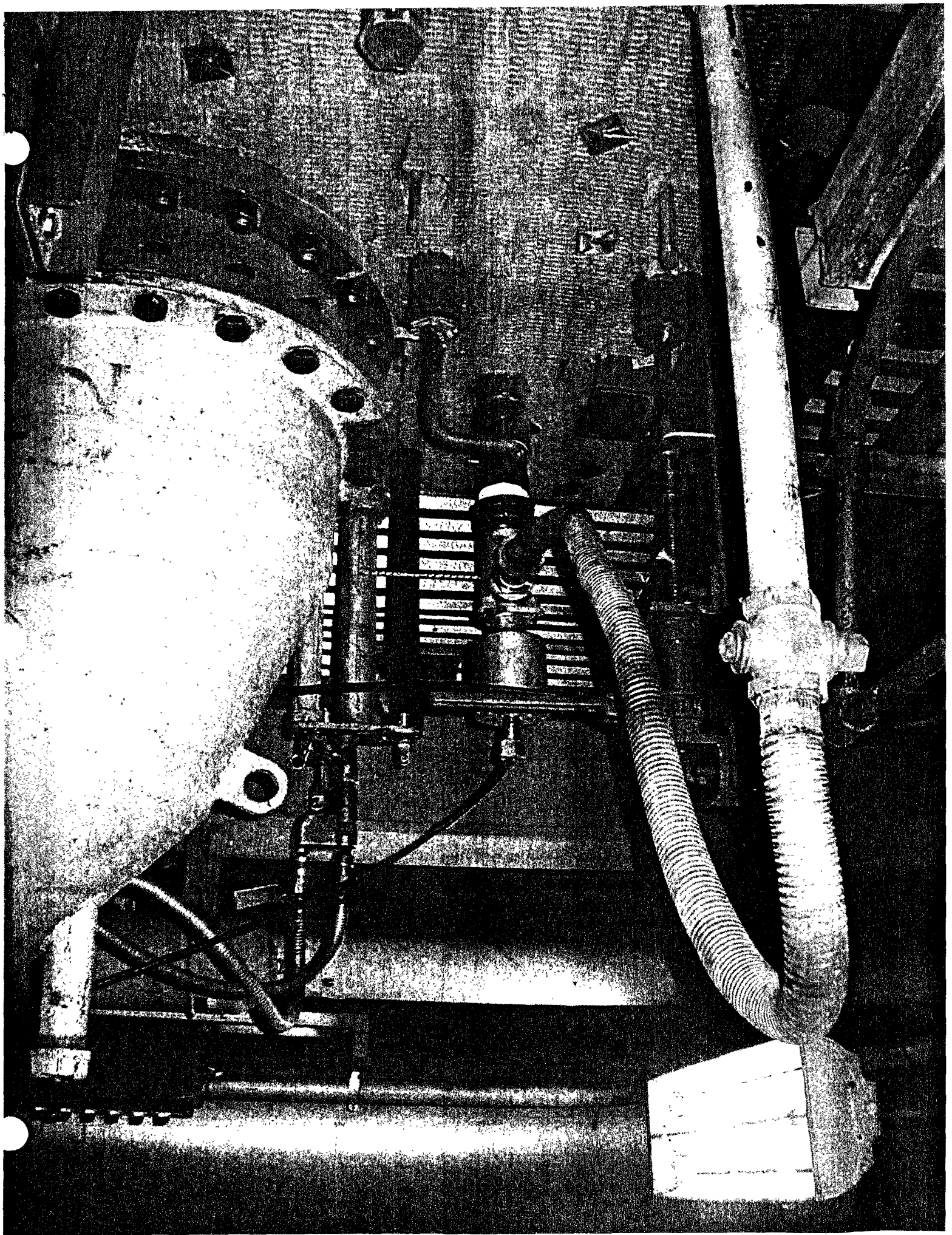
To: James M. Clark/USIMS/ABB@ABB\_US01,  
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